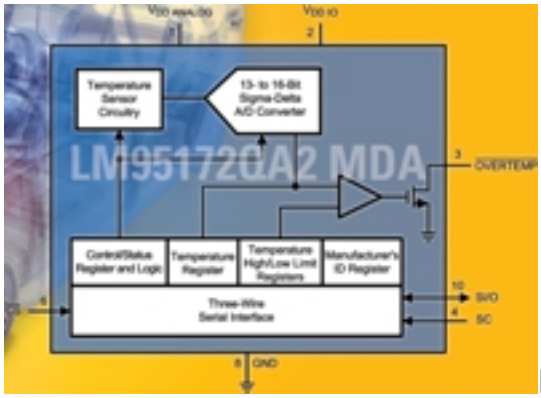
Digital Temperature Sensor Achieves High Accuracy



Monitoring automotive system temperature from -40°C to 175°C, National Semiconductor's LM95172Q digital temperature sensor delivers ±1°C accuracy between 130°C and 160°C. The AEC-Q100 Grade 0-qualified component uses a serial peripheral interface (SPI), a MICROWIRE bus interface, and a 16-bit sigma-delta ADC. The thermal management sensor presents a conversion rate of 35 ms, resolution of 0.008°C/LSB, a temperature switch, and self diagnosis. Pricing is $1.25 each in 1,000 quantities.

National Semiconductor
800-272-9959, www.national.com [1]

Links:
[1] http://www.national.com/